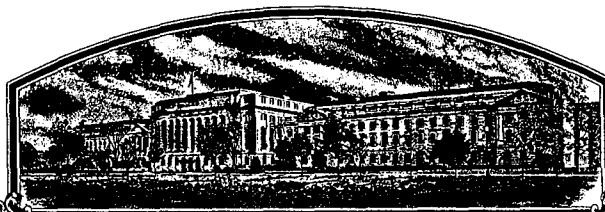


No.

8800212



THE UNITED STATES OF AMERICA

TO ALL TO WHOM THESE PRESENTS SHALL COME:

Pioneer Hi-Bred International, Inc.

Whereas, THERE HAS BEEN PRESENTED TO THE

Secretary of Agriculture

AN APPLICATION REQUESTING A CERTIFICATE OF PROTECTION FOR AN ALLEGED NOVEL VARIETY OF SEXUALLY REPRODUCED PLANT, THE NAME AND DESCRIPTION OF WHICH ARE CONTAINED IN THE APPLICATION AND EXHIBITS, A COPY OF WHICH IS HEREUNTO ANNEXED AND MADE A PART HEREOF, AND THE VARIOUS REQUIREMENTS OF LAW IN SUCH CASES MADE AND PROVIDED HAVE BEEN COMPLIED WITH, AND THE TITLE THERETO IS, FROM THE RECORDS OF THE PLANT VARIETY PROTECTION OFFICE, IN THE APPLICANT(S) INDICATED IN THE SAID COPY, AND WHEREAS, UPON DUE EXAMINATION MADE, THE SAID APPLICANT(S) IS (ARE) ADJUDGED TO BE ENTITLED TO A CERTIFICATE OF PLANT VARIETY PROTECTION UNDER THE LAW.

NOW, THEREFORE, THIS CERTIFICATE OF PLANT VARIETY PROTECTION IS TO GRANT UNTO THE SAID APPLICANT(S), AND THE SUCCESSORS, HEIRS OR ASSIGNS OF THE SAID APPLICANT(S) FOR THE TERM OF *eighteen* YEARS FROM THE DATE OF THIS GRANT, SUBJECT TO THE PAYMENT OF THE REQUIRED FEES AND PERIODIC REPLENISHMENT OF VIABLE BASIC SEED OF THE VARIETY IN A PUBLIC REPOSITORY; AS PROVIDED BY LAW, THE RIGHT TO EXCLUDE OTHERS FROM SELLING THE VARIETY, OR OFFERING IT FOR SALE, OR REPRODUCING IT, IMPORTING IT, OR EXPORTING IT, OR USING IT IN PRODUCING A HYBRID OR DIFFERENT VARIETY THEREFROM, TO THE EXTENT PROVIDED BY THE PLANT VARIETY PROTECTION ACT (U.S.C. 1542, AS AMENDED, 7 U.S.C. 2321 ET SEQ.)

CORN

'PHP02'



In Testimony Whereof, I have hereunto set my hand and caused the seal of the Plant Variety Protection Office to be affixed at the City of Washington, D. C. this 31st day of January in the year of our Lord one thousand nine hundred and eighty-nine.

Attest:

Kenneth H. Evans
Commissioner

Plant Variety Protection Office
Agricultural Marketing Service

Clayton Yeutter
Secretary of Agriculture

U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE

FORM APPROVED: OMB NO. 0581-0055

Application is required in order to determine if a plant variety protection certificate is to be issued (7 U.S.C. 2421). Information is held confidential until certificate is issued (7 U.S.C. 2426).

APPLICATION FOR PLANT VARIETY PROTECTION CERTIFICATE

(Instructions on reverse)

| | | | |
|--|---|---|---|
| 1. NAME OF APPLICANT(S) Pioneer Hi-Bred International, Inc. | | 2. TEMPORARY DESIGNATION | 3. VARIETY NAME PHP02 |
| 4. ADDRESS (Street and No. or R.F.D. No., City, State, and Zip Code) Plant Breeding Division Department of Corn Breeding PO Box 85 Johnston, IA 50131-0085 | | 5. PHONE (Include area code) 515/270-3300 | FOR OFFICIAL USE ONLY VPPO NUMBER 8800212 |
| 6. GENUS AND SPECIES NAME Zea mays | 7. FAMILY NAME (Botanical) Gramineae | | FILING DATE Aug. 9, 1988 TIME 1:30 <input type="checkbox"/> A.M. <input checked="" type="checkbox"/> P.M. |
| 8. KIND NAME Corn | 9. DATE OF DETERMINATION 1986 | | AMOUNT FOR FILING \$ 1800.00 DATE Aug. 4, 1988 |
| 10. IF THE APPLICANT NAMED IS NOT A "PERSON," GIVE FORM OF ORGANIZATION (Corporation, partnership, association, etc.) Corporation | | FEE RECEIVED AMOUNT FOR CERTIFICATE \$ 200.00 DATE Nov. 25, 1988 | |
| 11. IF INCORPORATED, GIVE STATE OF INCORPORATION Iowa | | 12. DATE OF INCORPORATION May 6, 1926 | |
| 13. NAME AND ADDRESS OF APPLICANT REPRESENTATIVE(S), IF ANY, TO SERVE IN THIS APPLICATION AND RECEIVE ALL PAPERS Dr. Richard L. McConnell Plant Breeding Division Pioneer Hi-Bred International, Inc. PO Box 85 Johnston, IA 50131-0085 PHONE (Include area code): 515/270-3363 | | | |
| 14. CHECK APPROPRIATE BOX FOR EACH ATTACHMENT SUBMITTED a. <input checked="" type="checkbox"/> Exhibit A, Origin and Breeding History of the Variety (See Section 52 of the Plant Variety Protection Act.) b. <input checked="" type="checkbox"/> Exhibit B, Novelty Statement. c. <input checked="" type="checkbox"/> Exhibit C, Objective Description of Variety (Request form from Plant Variety Protection Office.) d. <input checked="" type="checkbox"/> Exhibit D, Additional Description of Variety. e. <input checked="" type="checkbox"/> Exhibit E, Statement of the Basis of Applicant's Ownership. | | | |
| 15. DOES THE APPLICANT(S) SPECIFY THAT SEED OF THIS VARIETY BE SOLD BY VARIETY NAME ONLY AS A CLASS OF CERTIFIED SEED? (See Section 83(a) of the Plant Variety Protection Act.) <input type="checkbox"/> Yes (If "Yes," answer items 16 and 17 below) <input checked="" type="checkbox"/> No | | | |
| 16. DOES THE APPLICANT(S) SPECIFY THAT THIS VARIETY BE LIMITED AS TO NUMBER OF GENERATIONS? <input type="checkbox"/> Yes <input type="checkbox"/> No | | 17. IF "YES" TO ITEM 16, WHICH CLASSES OF PRODUCTION BEYOND BREEDER SEED? <input type="checkbox"/> Foundation <input type="checkbox"/> Registered <input type="checkbox"/> Certified | |
| 18. DID THE APPLICANT(S) PREVIOUSLY FILE FOR PROTECTION OF THE VARIETY IN THE U.S.? <input type="checkbox"/> Yes (If "Yes," give date) <input checked="" type="checkbox"/> No | | | |
| 19. HAS THE VARIETY BEEN RELEASED, OFFERED FOR SALE, OR MARKETING IN THE U.S. OR OTHER COUNTRIES? <input type="checkbox"/> Yes (If "Yes," give names of countries and dates) <input checked="" type="checkbox"/> No | | | |
| 20. The applicant(s) declare(s) that a viable sample of basic seeds of this variety will be furnished with the application and will be replenished upon request in accordance with such regulations as may be applicable. The undersigned applicant(s) is (are) the owner(s) of this sexually reproduced novel plant variety, and believe(s) that the variety is distinct, uniform, and stable as required in Section 41, and is entitled to protection under the provisions of Section 42 of the Plant Variety Protection Act. Applicant(s) is (are) informed that false representation herein can jeopardize protection and result in penalties. | | | |
| SIGNATURE OF APPLICANT Pioneer Hi-Bred International, Inc. | | DATE | |
| SIGNATURE OF APPLICANT by: <u>Richard L. McConnell</u> | | DATE August 1, 1988 | |

14A. Exhibit A. Origin and Breeding History

Pedigree: PHG44/PHG29)X1211X

Pioneer line PHP02, Zea mays L., a yellow dent corn inbred, was developed by Pioneer Hi-Bred International, Inc. from the single cross PHG44 x PHG29 using the pedigree method of breeding. The progenitors of PHP02 are proprietary inbred lines of Pioneer Hi-Bred International, Inc. Selfing and selection were practiced within the above F1 cross for six generations in the development of PHP02 at Janesville, Wisconsin. During line development, crosses were made to inbred testers for the purpose of estimating the line's combining ability. Yield trials were grown at Janesville, Wisconsin, and at other Pioneer research stations in the northern U.S. Corn Belt. After initial testing, additional hybrid combinations have been evaluated and subsequent generations of the line have been grown and hand-pollinated with observations made for uniformity.

PHP02 has shown uniformity and stability for all traits as described in Exhibit C (form LPGS-470-28) - "Objective Description of Variety." It has been self-pollinated and ear-rowed a sufficient number of generations with careful attention paid to uniformity of plant type to assure genetic homozygosity and phenotypic stability. The line has been increased both by hand and in isolated fields with continued observations for uniformity.

No variant traits have been observed or are expected in PHP02.

14B. Exhibit B. Novelty Statement

PHP02 is similar to the Pioneer inbred line PHG29 (PVP Cert. No. 8600047). PHP02 has yellow anthers and salmon silk color whereas PHG29 has red anthers and red silk color.

| <u>Inbred</u> | <u>GDU 50% Shed</u> | <u>GDU 50% Silk</u> | <u>Plant Ht</u> | <u>Ear Ht</u> |
|---------------|-------------------------|-------------------------|---------------------|-------------------|
| PHP02 | 1325 | 1347 | 75.0 | 29.3 |
| PHG29 | 1366 | 1402 | 75.9 | 31.5 |
| No. Reps | 160 | 99 | 165 | 164 |
| Diff. | 41 | 55 | 0.8 | 2.2 |
| Prob. | .000# | .000# | .079# | .000# |

* = 10% significance; + = 5% significance; # = 1% significance

12 locations in 1985; 16 in 1986; 21 in 1987

U.S. DEPARTMENT OF AGRICULTURE
 AGRICULTURAL MARKETING SERVICE
 LIVESTOCK, POULTRY, GRAIN & SEED DIVISION
 BELTSVILLE, MARYLAND 20705

EXHIBIT C
 (Corn)

OBJECTIVE DESCRIPTION OF VARIETY
 CORN (ZEA MAYS)

NAME OF APPLICANT(S)

Pioneer Hi-Bred International, Inc.

ADDRESS (Street and No. or R.F.D. No., City, State, and ZIP Code)

Plant Breeding Division
 Department of Corn Breeding
 PO Box 85
 Johnston, IA 50131-0085

FOR OFFICIAL USE ONLY

PVPO NUMBER

8800212

VARIETY NAME OR TEMPORARY DESIGNATION

PHP02

Place the appropriate number that describes the varietal character of this variety in the boxes below.

Place a zero in first box (e.g., or) when number is either 99 or less or 9 or less.

1. TYPE:

1 = SWEET

2 = DENT

3 = FLINT

4 = FLOUR

5 = POP

6 = ORNAMENTAL

2. REGION WHERE BEST ADAPTED IN THE U.S.A.:

1 = NORTHWEST

2 = NORTHCENTRAL

3 = NORTHEAST

4 = SOUTHEAST

5 = SOUTHCENTRAL

6 = SOUTHWEST

7 = MOST REGIONS

3. MATURITY (In Region of Best Adaptability):

(Under "comments" (pg. 3) state how heat units were calculated)

DAYS FROM EMERGENCE TO 50% OF PLANTS IN SILK

HEAT UNITS

DAYS FROM 50% SILK TO OPTIMUM EDIBLE QUALITY

HEAT UNITS

DAYS FROM 50% SILK TO HARVEST AT 25% KERNEL MOISTURE

HEAT UNITS

4. PLANT:

CM. HEIGHT (To tassel tip)

CM. EAR HEIGHT (To base of top ear)

CM. LENGTH OF TOP EAR INTERNODE

Number of Tillers:

1 = NONE

2 = 1-2

3 = 2-3

4 = > 3

Number of Ears Per Stalk:

1 = SINGLE 2 = SLIGHT TWO-EAR TENDENCY

3 = STRONG TWO-EAR TENDENCY 4 = THREE-EAR TENDENCY

Cytoplasm Type:

1 = NORMAL

2 = "T"

3 = "S"

4 = "C"

5 = OTHER (Specify) _____

5. LEAF (Field Corn Inbred Examples Given):

Color:

1 = LIGHT GREEN (HY)

2 = MEDIUM GREEN (WF9)

3 = DARK GREEN (B14)

4 = VERY DARK GREEN (K166)

Angle from Stalk (Upper half):

1 = < 30°

2 = 30-60°

3 = > 60°

Sheath Pubescence:

1 = LIGHT (W22)

2 = MEDIUM (WF9)

3 = HEAVY (OH26)

Marginal Waves:

1 = NONE (HY)

2 = FEW (WF9)

3 = MANY (OH7L)

Longitudinal Creases:

1 = ABSENT (OH51)

2 = FEW (OH56A)

3 = MANY (PA11)

Width:

 mm.

CM. WIDEST POINT OF EAR NODE LEAF

Length:

CM. EAR NODE LEAF

NUMBER OF LEAVES PER MATURE PLANT

6. TASSEL:

1 6

NUMBER OF LATERAL BRANCHES

Branch Angle from Central Spike:

2

1 = $< 30^\circ$ 2 = $30-40^\circ$ 3 = $> 45^\circ$

Penduncle Length:

[] []

CM. FROM TOP LEAF TO BASAL BRANCHES

Pollen Shed:

2

1 = LIGHT (WF9)

2 = MEDIUM

3 = HEAVY (KY21)

1

Anther Color:

1 = YELLOW

2 = PINK

3 = RED

4 = PURPLE

5 = GREEN

5

Glume Color:

6 = OTHER (Specify) _____

Pollen Restoration for Cytoplasm (0 = Not Tested, 1 = Partial, 2 = Good)

0

"T"

0

"S"

0

"C"

0

OTHER (Specify Cytoplasm and degrees of restoration) _____

7. EAR (Husked Ear Data Except When Stated Otherwise):

1 6

CM LENGTH

4 2

MM. MID-POINT
DIAMETER

1 2 7

GM. WEIGHT

Kernel Rows:

2

1 = INDISTINCT

2 = DISTINCT

1 6

NUMBER

1

1 = STRAIGHT

2 = SLIGHTLY CURVED

3 = SPIRAL

Silk Color (Exposed at Silking Stage):

3

1 = GREEN

2 = PINK

3 = SALMON

4 = RED

Husk Color:

1

FRESH

1 = LIGHT GREEN

2 = DARK GREEN

3 = PINK

6

DRY

4 = RED

5 = PURPLE

6 = BUFF

Husk Extention: (Harvest Stage)

2

1 = SHORT (Ears Exposed) 2 = MEDIUM (Barely Covering Ear)
3 = LONG (8-10CM Beyond Ear Tip)
4 = VERY LONG (> 10 CM)

Husk Leaf:

[]

1 = SHORT (< 8 CM) 2 = MEDIUM (8-15 CM)
3 = LONG (> 15 CM)

Shank:

1 0

CM LONG

6

NO. OF INTERNODES

Position at Dry Husk Stage:

1

1 = UPRIGHT 2 = HORIZONTAL 3 = PENDENT

Taper:

2

1 = SLIGHT

2 = AVERAGE

3 = EXTREME

Drying Time (Unhusked Ear):

[]

1 = SLOW

2 = AVERAGE

3 = FAST

8. KERNEL (Dried):

Size (From Ear Mid-Point):

1 0

MM LONG

0 7

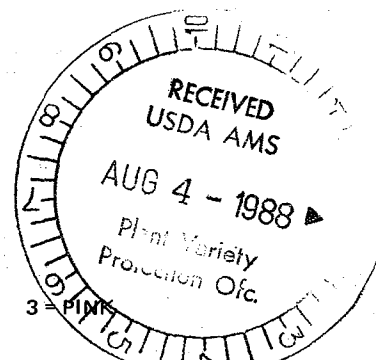
MM. WIDE

0 4

MM. THICK

Shape Grade (% Rounds)

1

1 = < 20 2 = $20-40$ 3 = $40-60$ 4 = $60-80$ 5 = > 80 

8. KERNEL (Dried) :

Pericarp Color: 1 = COLORLESS 2 = RED-WHITE CROWN 3 = TAN 4 = BRONZE
 5 = BROWN 6 = LIGHT RED 7 = CHERRY RED
 8 = VARIEGATED (Describe) _____

Aleurone Color: 1 = HOMOZYGOUS 2 = SEGREGATING (Describe) _____

1 = WHITE 2 = PINK 3 = TAN 4 = BROWN 5 = BRONZE 6 = RED
 7 = PURPLE 8 = PALE PURPLE 9 = VARIEGATED (Describe) Yellow
 (Other) _____

Endosperm Color: 1 = WHITE 2 = PALE YELLOW 3 = YELLOW 4 = PINK-ORANGE 5 = WHITE CAP.

Endosperm Type:

1 = SWEET (su1) 2 = EXTRA SWEET (sh2) 3 = NORMAL STARCH 4 = HIGH AMYLOSE STARCH
 5 = WAXY STARCH 6 = HIGH PROTEIN 7 = HIGH LYSINE 8 = OTHER (Specify) _____

GM. WEIGHT /100 SEEDS (Unsize Sample)

9. COB:

MM. DIAMETER AT MID-POINT

Strength:

1 = WEAK 2 = STRONG

Color:

1 = WHITE 2 = PINK 3 = RED 4 = BROWN
 5 = VARIEGATED 6 OTHER (Specify) _____

10. DISEASE RESISTANCE (0 = Not Tested, 1 = Susceptible, 2 = Resistant):

| | | |
|--|---|---|
| <input type="text" value="0"/> STALK ROT (Diplodia) | <input type="text" value="0"/> STALK ROT (Fusarium) | <input type="text" value="0"/> STALK ROT (Gibberella) |
| <input type="text" value="1"/> NORTHERN LEAF BLIGHT | <input type="text" value="1"/> SOUTHERN LEAF BLIGHT | <input type="text" value="2"/> SMUT (common) |
| <input type="text" value="0"/> SOUTHERN RUST | <input type="text" value="1"/> CORN SMUT (head) | <input type="text" value="1"/> BACTERIAL WILT (Stewart's) |
| <input type="text" value="2"/> BACTERIAL LEAF BLIGHT (Goss') | <input type="text" value="0"/> MAIZE DWARF MOSAIC | <input type="text" value="0"/> STUNT |
| <input type="text" value=""/> OTHER (Specify) _____ | | |

11. INSECT RESISTANCE (0 = Not Tested, 1 = Susceptible, 2 = Resistant):

| | | | |
|--|---|--|--------------------------------------|
| <input type="text" value="1"/> CORNBORER | <input type="text" value="0"/> EARWORM | <input type="text" value="0"/> SAPBEETLE | <input type="text" value="0"/> APHID |
| <input type="text" value="0"/> ROOTWORM (Northern) | <input type="text" value="2"/> ROOTWORM (Western) | | |
| <input type="text" value="0"/> ROOTWORM (Southern) | <input type="text" value=""/> OTHER (Specify) _____ | | |

12. VARIETIES MOST CLOSELY RESEMBLING THAT SUBMITTED FOR THE CHARACTERS GIVEN:

| CHARACTER | VARIETY | CHARACTER | VARIETY |
|------------|---------|------------------|---------|
| Maturity | PHG29 | Kernel Type | PHG29 |
| Plant Type | PHG29 | Quality (Edible) | |
| Ear Type | PHG29 | Usage | PHG29 |

REFERENCES:

- U.S. Department Agriculture. Yearbook 1937.
 Corn: Culture, Processing, Products. 1970 Avi Publishing Company, Westport, Connecticut. (Numerous Authors)
 Emerson, R.A., G.W. Beadle, and A.C. Fraser. A Summary of Linkage Studies in Maize, Cornell A.E.S., Mem. 180. 1935.
 The Mutants of Maize. 1968. Crop Science Society of America. Madison, Wisconsin.
 Stringfield, G.H. Maize Inbred Lines of Ohio. Ohio A.E.S. Bul. 831. 1959.
 Butler, D.R. 1954 - A System for the Classification of Corn Inbred Lines - PhD. Thesis, Ohio State University.

COMMENTS: Heat units are accumulated from daily temperatures as follows:

HI = Maximum air temperature in Fahrenheit, but not greater than 86.
 LO = Minimum air temperature in Fahrenheit, but not less than 50.
 Heat Units = (HI + LO)/2 - 50, but not less than 0.

14D. Additional Description of PHP02

PHP02 is a yellow dent inbred line of corn, Zea mays L.

As an inbred per se, PHP02 is similar to the Pioneer proprietary inbred line PHG29. These similarities are expected because half of the parentage of PHP02 is PHG29. The other parent involved in the development of PHP02 is a proprietary inbred line developed from a cross involving two other Pioneer proprietary inbred lines.

For comparative purposes, data are attached with comparisons of PHP02 to the Pioneer proprietary inbred line PHG29.

14D. Exhibit D. Comparison of PH02 and PHG29 crossed to the same tester lines and the hybrids evaluated at the same locations.

| INBRD | PRM | SEL IND | YLD | % YLD | MST | GDU SHED | STK LDG | RT LDG | BAR PLTS | STAY GREEN | TST WT | COB SCO | GRN QUAL | SDLG VIG | EST CNT | PLT HT | EAR HT | DRPD EARS | BRTL STKS |
|----------|-----|------------|-----|----------|-----|-------------|------------|-----------|-------------|---------------|-----------|------------|-------------|-------------|------------|-----------|-----------|--------------|--------------|
| No. Reps | 281 | 279 | 279 | 279 | 281 | 60 | 209 | 96 | 27 | 171 | 281 | 30 | 180 | 107 | 188 | 145 | 145 | 247 | 44 |
| PHG29 | 108 | 100 | 144 | 101 | 101 | 100 | 98 | 103 | 100 | 92 | 100 | 93 | 100 | 102 | 102 | 100 | 99 | 100 | 100 |
| PH02 | 108 | 104 | 147 | 103 | 101 | 98 | 103 | 100 | 100 | 101 | 98 | 87 | 95 | 108 | 102 | 101 | 98 | 99 | 99 |
| DIFF. | 0 | 4 | 3 | 2 | 0 | 2 | 5 | 3 | 0 | 9 | 2 | 6 | 5 | 6 | 0 | 1 | 1 | 1 | 1 |

LEGEND:

PRM Predicted Minnesota relative maturity
 Sel Ind Selection Index
 Yld Yield (Bu/Acre adjusted to 15.5% moisture)
 % Yld Yield in percent of test mean
 Mst Moisture (percent of test mean)
 GDU Shed 50% pollen shed (actual growing degree units)
 GDU Silk 50% silk (actual growing degree units)
 Stk Ldg Stalk Lodging (percent of test mean)
 Rt Ldg Root Lodging (percent of test mean)
 Bar Plts Barren Plants (percent of test mean)
 Stay Green Stay Green (percent of test mean)
 Tst Wt Test Weight (percent of test mean)
 Grn Qual Grain Quality (percent of test mean)
 Cob Sco Cob Score (percent of test mean)
 Sdlg Vig Seedling Vigor (percent of test mean)
 Est Cnt Early Stand Count (percent of test mean)
 Plt Ht Plant Height (percent of test mean)
 Ear Ht Ear Height (percent of test mean)
 Drpd Ears Dropped Ears (percent of test mean)
 Brtl Stks Brittle Stalks (percent of test mean)

14D. Exhibit D. Inbred per se yield test comparison of PHP02 and PHG29 grown at the same locations in the same year.

| INBRED | YLD | % YLD | MST | GDU SHED | GDU SILK | STK LDG | RT LDG | BAR PLTS | STAY GREEN | TST WT | GRN QUAL | SDLG VIG | EST CNT | PLT HT | EAR HT | DRPD EARS | BRTL STKS |
|-------------|-----|----------|-----|-------------|-------------|------------|-----------|-------------|---------------|-----------|-------------|-------------|------------|-----------|-----------|--------------|--------------|
| PHP02 | 92 | 127 | 97 | 1320 | 1350 | 105 | 101 | 105 | 94 | 97 | 94 | 107 | 98 | 94 | 94 | 100 | 101 |
| PHG29 | 87 | 119 | 101 | 1360 | 1400 | 98 | 104 | 106 | 108 | 98 | 97 | 88 | 98 | 96 | 100 | 100 | 102 |
| DIFFERENCE | 5 | 8 | 4 | 40 | 50 | 7 | 3 | 1 | 14 | 1 | 3 | 19 | 0 | 2 | 6 | 0 | 1 |
| NO. OF REPS | 149 | | | | | | | | | | | | | | | | |

LEGEND:

Yld Yield (Bu/Acre adjusted to 15.5% moisture)
 % Yld Yield in percent of test mean
 Mst Moisture (percent of test mean)
 GDU Shed 50% pollen shed (actual growing degree units)
 GDU Silk 50% silk (actual growing degree units)
 Stk Ldg Stalk Lodging (percent of test mean)
 Rt Ldg Root Lodging (percent of test mean)
 Bar Plts Barren Plants (percent of test mean)
 Stay Green Stay Green (percent of test mean)
 Tst Wt Test Weight (percent of test mean)
 Grn Qual Grain Quality (percent of test mean)
 Sdlg Vig Seedling Vigor (percent of test mean)
 Est Cnt Early Stand Count (percent of test mean)
 Plt Ht Plant Height (percent of test mean)
 Ear Ht Ear Height (percent of test mean)
 Drpd Ears Dropped Ears (percent of test mean)
 Brtl Stks Brittle Stalks (percent of test mean)

14E. Exhibit E. Statement of the Basis of Applicant's Ownership

Pioneer Hi-Bred International, Inc., Des Moines, Iowa, is the employer of the plant breeders involved in the development and evaluation of PHP02. Pioneer Hi-Bred International, Inc. has the sole rights and ownership of PHP02.